

CLAIMS

In the claims:

1. A resilient pad to be placed between a foot and a shoe of a hoofed animal comprising:

a first region substantially defined by the area of the shoe; and

a second region having a shock absorbent envelope comprising a polymeric gel, and the second region being substantially defined by an area enclosed by the shoe.

2. The resilient pad of claim 1, wherein the pad comprises a top layer and bottom layer.

3. The resilient pad of claim 2, wherein the top layer is in contact with the foot and comprises a woven fabric.

4. The resilient pad of claim 2, wherein the bottom layer comprises a woven fabric and is coated with a polymeric resin.

5. The resilient pad of claim 2, wherein the bottom layer is substantially rigid.

6. The resilient pad of claim 1, wherein the polymeric gel comprises polybutadiene, a plasticizer, a prepolymer and a stabilizer.

7. The resilient pad of claim 6, wherein the plasticizer includes an epoxidized soybean oil in an amount between about 30% to 70% by weight.

8. The resilient pad of claim 6, wherein the stabilizer includes an organotin and the prepolymer included an isocyanate.

9. The resilient pad of claim 1, wherein the first region has a first profile and the second region has a second profile, wherein the first profile of the first region is less than the second profile of the second region.

10. A resilient pad to be placed on a foot of a hoofed animal comprising:
at least a first and second region, wherein the second region having a shock absorbent envelope comprising a polymeric gel and the first region having substantially no shock absorbing properties.

11. A resilient pad to be placed between a foot and a shoe of a hoofed animal comprising:

a first region substantially defined by the area of the shoe; and
a second region having a fluid filled envelope, and the second region being substantially defined by an area enclosed by the shoe.

12. The resilient pad of claim 11, wherein the fluid is a gas or liquid.

13. A resilient pad to be placed between a foot and a shoe of a hoofed animal comprising:

a first region substantially defined by the area of the shoe; and

a second region having an aggregate filled envelope, and the second region being substantially defined by an area enclosed by the shoe.

14. The resilient pad of claim 13, wherein the aggregate is selected from the group consisting of sand, solid polymer particles, hollow beads, foamed polymer particles, perlite, calcium carbonate, clay, dolomite, sand, barium sulfate, mica, silica, talc, gypsum, wollastonite, calcite, aluminum trihydrate, zinc oxide, zinc sulfate, and mixtures thereof.

15. A resilient pad for a hoofed animal comprising:

a first hemisphere having a first shock absorbent envelope and a second hemisphere having a second shock absorbent envelope.

16. The resilient pad of claim 15, wherein the pad comprises a top layer and bottom layer.

17. The resilient pad of claim 16, wherein the top layer is in contact with the foot and is substantially rigid.

18. The resilient pad of claim 26, wherein the bottom layer comprises a woven fabric and is coated with a polymer resin and is substantially rigid.

19. The resilient pad of claim 18, wherein the shock absorbent envelopes comprise a resilient material.

20. The resilient pad of claim 19, wherein the resilient material comprises a polymeric gel including a polybutadiene, a plasticizer, a prepolymer and a stabilizer.